

Title (en)
SEPARATOR FOR ZINC SECONDARY BATTERY

Title (de)
SEPARATOR FÜR ZINKSEKUNDÄRBATTERIE

Title (fr)
SÉPARATEUR POUR BATTERIE SECONDAIRE AU ZINC

Publication
EP 4016672 B1 20230503 (EN)

Application
EP 21214817 A 20211215

Priority
JP 2020211224 A 20201221

Abstract (en)
[origin: EP4016672A1] The present disclosure provides a separator for a zinc secondary battery that can inhibit short circuiting in a zinc secondary battery. The separator for a zinc secondary battery of the disclosure has a porous substrate layer and a titanium oxide-containing porous layer laminated onto the porous substrate layer, wherein the titanium oxide-containing porous layer comprises a titanium oxide represented by Ti_xO_y , where $0 < x$, $0 < y$, and $y < 2x$. The titanium oxide may be TiO , Ti_2O , Ti_2O_3 , Ti_3O , Ti_3O_5 , Ti_4O_5 , Ti_4O_7 , Ti_5O_9 , Ti_6O , Ti_6O_{11} , Ti_7O_{13} , Ti_8O_{15} or Ti_9O_{17} .

IPC 8 full level
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CPC (source: CN EP KR US)
H01M 4/244 (2013.01 - EP); **H01M 10/054** (2013.01 - US); **H01M 10/24** (2013.01 - CN EP); **H01M 10/30** (2013.01 - KR); **H01M 12/06** (2013.01 - CN KR); **H01M 50/417** (2021.01 - EP US); **H01M 50/423** (2021.01 - EP US); **H01M 50/431** (2021.01 - CN KR); **H01M 50/434** (2021.01 - EP US); **H01M 50/44** (2021.01 - US); **H01M 50/449** (2021.01 - CN EP US); **H01M 50/451** (2021.01 - EP KR US); **H01M 50/572** (2021.01 - US); **H01M 2300/0014** (2013.01 - EP KR); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

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